

**SONY**

Active Subwoofer

**SA-WD200**

4-236-701-12(2)

**English****Owner's Record**

The model number and serial numbers are located on the rear of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. SA-WD200

Serial No. \_\_\_\_\_

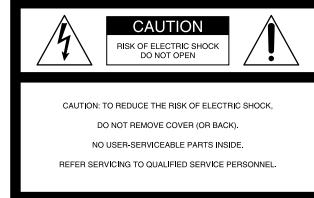
**WARNING**

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To prevent fire, do not cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place vases on the apparatus.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

**NOTICE FOR THE CUSTOMERS IN THE USA**

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**CAUTION**

You are cautioned that any changes or modification not expressly approved in this manual could void your authority to operate this equipment.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

**Note to CATV system installer:**

This reminder is provided to call CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

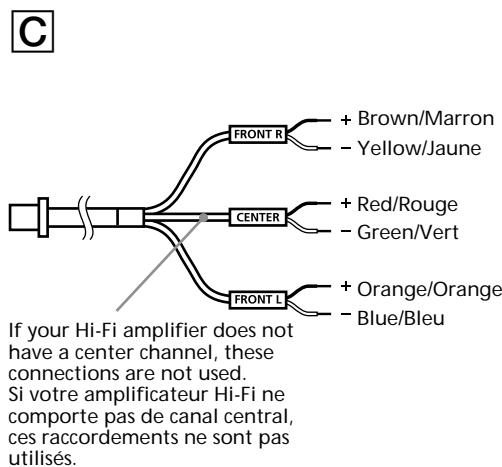
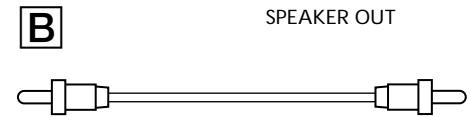
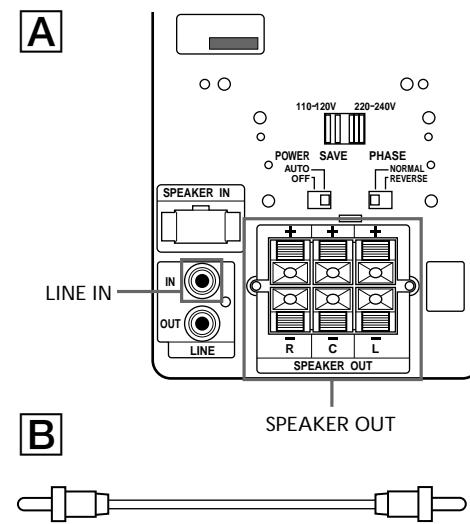
**CAUTION**

Use of this appliance with some systems may present a shock or fire hazard. Do not use with any units which have the following marking located near output.

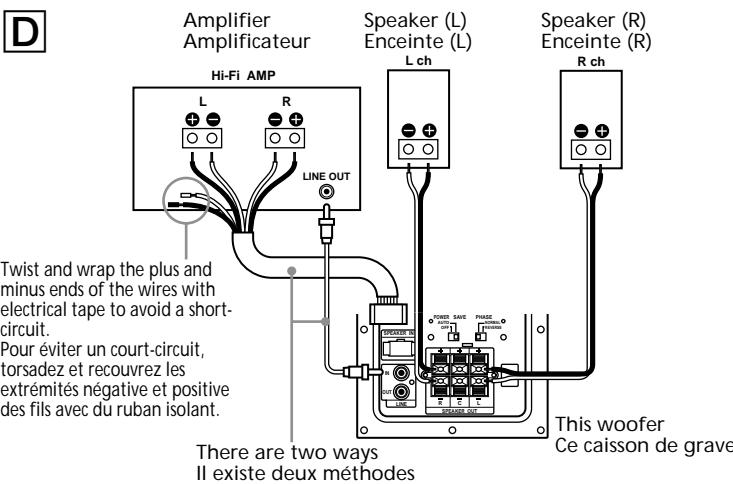
WARNING: HAZARDOUS ENERGY!

**For the customers in Canada****CAUTION:**

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

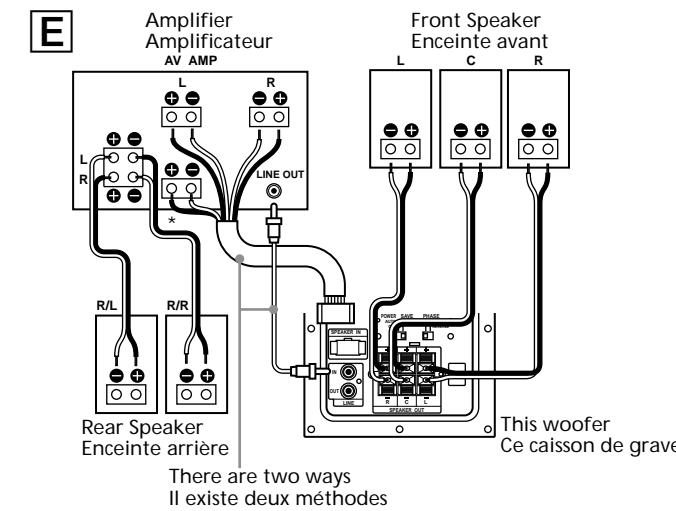


If your Hi-Fi amplifier does not have a center channel, these connections are not used.  
Si votre amplificateur Hi-Fi ne comporte pas de canal central, ces raccordements ne sont pas utilisés.



Twist and wrap the plus and minus ends of the wires with electrical tape to avoid a short-circuit.  
Pour éviter un court-circuit, torsadez et recouvrez les extrémités négative et positive des fils avec du ruban isolant.

There are two ways  
Il existe deux méthodes



Rear Speaker  
Enceinte arrière  
This woofer  
Ce caisson de grave

Front Speaker  
Enceinte avant  
This woofer  
Ce caisson de grave

**Français****Precautions****On safety**

- Before operating the woofer, be sure that the operating voltage of your woofer is identical with that of your local power supply.
- Unplug the woofer from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull the cord by grasping the plug. Never pull the cord itself.
- Should any liquid or solid object fall into the woofer, unplug the woofer and have the woofer checked by qualified personnel before operating it any further.
- AC power cord must be changed only at the qualified service shop.

**To unplug the AC power cord**

Before you unplug the AC power cord from the wall outlet, turn the POWER switch to OFF.

**When turning on or off an amplifier or other equipment**

Lower the volume of the amplifier to minimum.

**To avoid damaging the woofer**

- Be careful in setting the volume control of the amplifier to avoid an excessive input power.
- Do not attempt to open the enclosure or remodel speaker units and networks.

**About magnetically shielded speakers  
(To prevent color irregularity on nearby TV screens, etc.)**

The system employs a magnetic shield.

Nevertheless, the magnet is strong, therefore there may be some magnetic leakage. If the unit is used with a CRT TV set or a projector, move the unit away 30 cm (13-16 in.) from the TV set, etc.

If the unit is placed too close to the TV set, etc., it may cause color irregularity on the screen.

**If color irregularity is observed...**

→ Turn off the TV set once, then turn it on after 15 to 30 minutes.

**If color irregularity is observed again...**

→ Place the speakers further apart from the TV set.

**When howling occurs**

Relocate the speaker or turn down the volume of the amplifier.

**On installation**

- Do not install the woofer near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Good ventilation is essential to prevent internal heat build-up in the woofer. Place the woofer in a location with adequate air circulation. Do not place the woofer on a soft surface.
- Use caution when placing the speaker on a specially treated (waxed, oiled, polished, etc.) floor, as staining or discoloration may result.

**On cleaning the cabinet**

Clean the cabinet with a soft cloth lightly moistened with water. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

**About sound interruptions**

During a large-output operation or when using for an extended period, the sound may be interrupted by the circuit protector inside the unit. In this case, turn the unit OFF, then on again.

If you have any questions or problems concerning your woofer that is not covered in this manual, please consult your nearest Sony dealer.

**Installation**

Since the human ear cannot detect the direction and position where the bass sound being reproduced by a woofer (below 200 Hz) comes from, you can install the woofer wherever you like in your room. To obtain a better bass reproduction, we recommend you to install the woofer on a solid floor where the resonance is unlikely to occur.

**Notes**

- Install the woofer about 5 cm (2 in.) away from the wall.
- Do not place an object on the woofer or sit on it.
- If the woofer is installed in the center of a room, the bass could be extremely weakened. This is due to the influence of the standing wave of the room. If this happened, move the woofer away from the center of a room or eliminate the cause of the standing wave, by installing a bookshelf on the wall, etc.

**AVERTISSEMENT**

Pour éviter tout risque de feu ou de choc électrique, ne pas exposer cet appareil à la pluie ou à l'humidité.

Pour ne pas risquer un incendie, ne couvrez pas les orifices d'aération de l'appareil avec des journaux, napperons, rideaux, etc. Et ne placez pas de bougies allumées sur l'appareil.

Ne placez pas de vase sur l'appareil. Ceci ferait courir un risque d'incendie ou d'électrocution.

Pour prévenir tout choc électrique, n'ouvez jamais le coffret. Adressez-vous à un personnel qualifié uniquement pour toute intervention sur l'appareil.

**Pour les utilisateurs au Canada**

**ATTENTION:**  
POUR PREVENIR LES CHOCS ELECTRIQUES, NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREEES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

**Précautions****Sécurité**

- Avant d'utiliser le caisson de grave, vérifiez que sa tension de fonctionnement est identique à celle du secteur local.
- Si vous prévoyez de ne pas utiliser le caisson pendant longtemps, débranchez-le de la prise murale. Pour débrancher le cordon d'alimentation secteur, tirez sur la fiche. Ne jamais tirer sur le cordon proprement dit.
- Si un liquide ou un solide tombait dans le coffret, débranchez le caisson et faites-le contrôler par un technicien qualifié avant de le remettre en service.
- Le cordon d'alimentation secteur doit être changé par un professionnel seulement.

**Pour débrancher le cordon d'alimentation**

Mettez le commutateur POWER sur OFF avant de débrancher le cordon d'alimentation de la prise murale.

**Avant d'allumer ou d'éteindre l'amplificateur ou un autre appareil**

N'oubliez pas de baisser complètement le volume.

**Pour éviter d'endommager le caisson de grave**

- Réglez avec soin le volume de l'amplificateur pour éviter toute entrée de son excessive.
- Ne pas essayer d'ouvrir le coffret ou de modifier les haut-parleurs et les circuits.

**A propos des enceintes avec blindage magnétique**

(Pour éviter les anomalies de couleurs sur les écrans de téléviseurs installés à proximité, etc.)

Le système utilise un blindage magnétique.

Toutefois, l'aimant est puissant, par conséquent il peut y avoir une dispersion magnétique. Si l'appareil est utilisé avec un téléviseur CRT ou un projecteur, éloignez-le de 30 cm (13-16 pouces) du téléviseur, etc.

Si l'appareil est installé trop près du téléviseur, etc., une anomalie de couleurs peut se produire à l'écran.

**Si vous observez des anomalies de couleurs...**

→ Éteignez le téléviseur, puis rallumez-le 15 à 30 minutes plus tard.

**S'il n'y a aucun changement...**

→ Eloignez les enceintes du téléviseur.

**En cas de rétroaction acoustique**

Changez l'emplacement des enceintes ou baissez le volume de l'amplificateur.

**Installation**

- Ne pas installer le caisson de grave près d'une source de chaleur, comme un radiateur ou une bouche d'air chaud, dans un endroit en plein soleil ou exposé à de la poussière, des vibrations ou des chocs mécaniques.

• Une bonne ventilation est essentielle pour éviter une surchauffe interne du caisson. Installez le caisson dans un endroit où la circulation d'air est suffisante. Ne pas l'installer sur une surface molle.

- Prenez les précautions nécessaires lors de l'installation du haut-parleur sur un plancher traité (cire, huile, verni, etc.) pour éviter l'apparition de taches ou la décoloration du sol.

**Nettoyage du coffret**

Nettoyez le coffret avec un chiffon doux légèrement imprégné d'eau. Ne pas utiliser de tampons abrasifs, poudre à récurer ou diluant, comme l'alcool ou la benzine.

**A propos des interruptions du son**

Lors d'une utilisation intensive ou prolongée dans le temps, il se peut que le son soit interrompu par le protège circuit placé à l'intérieur de l'appareil. Dans ce cas, mettez l'appareil hors tension, puis remettez-le sous tension.

Pour toute question ou problème au sujet du caisson de grave, veuillez contacter votre revendeur Sony le plus proche.

**Raccordement d'un amplificateur Hi-Fi (avec système stéréo)**

Seuls les canaux R et L doivent être utilisés dans le cas d'un raccordement stéréo. Pour éviter un court-circuit avec le câble du canal central, torsadez et recouvrez les extrémités négative et positive des fils avec du ruban isolant.

**Raccordement à l'amplificateur et aux enceintes (D)**

Raccordez les bornes SPEAKER IN de l'appareil aux bornes de sortie des enceintes de l'amplificateur. Raccordez les deux canaux L et R. Raccordez les enceintes aux bornes SPEAKER IN de l'appareil.

**Raccordement d'un amplificateur Audio/Vidéo (avec système stéréo, 5,1 canaux)**

Il existe deux manières de raccorder les enceintes : raccordez les enceintes aux canaux R, C et L ou aux prises LINE IN.

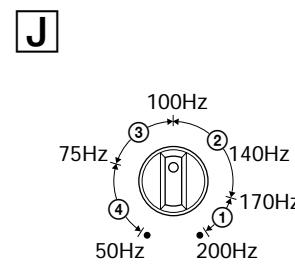
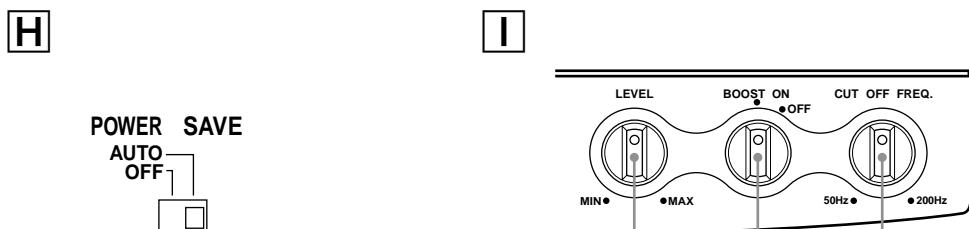
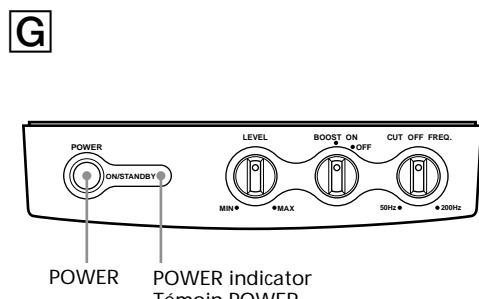
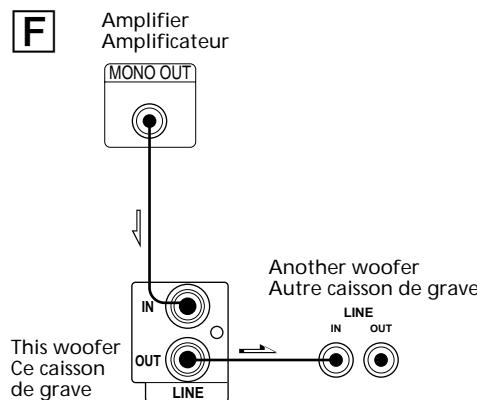
**Raccordement à l'amplificateur et aux enceintes (E)**

Raccordez les bornes SPEAKER IN de l'appareil aux bornes de sortie des enceintes avant de l'amplificateur. Raccordez les enceintes avant aux bornes SPEAKER OUT de l'appareil. Raccordez les enceintes arrière aux bornes de sortie des enceintes arrière de l'amplificateur. \* Pour utiliser le canal central, débranchez le tube isolant.

**Remarques**

- Quelle que soit la taille du système satellite que vous utilisez, petit ou grand, les bornes SPEAKER OUT peuvent être utilisées.
- Avec des systèmes satellites plus petits, les basses peuvent être diminuées, selon les réglages de l'amplificateur audio/vidéo ou du lecteur DVD.

# Active Subwoofer SA-WD200



## English

### When using two or more subwoofers (F)

#### Connecting the AC power cord

- Connect the AC power cord from the woofer and from your amplifier to a wall outlet.
- Make sure that power to the woofer is turned off before you plug in or unplug any power cord.

### Listening to the Sound (G)

- 1 Turn on the amplifier and select the program source.

- 2 Press POWER.

The woofer turns on and the POWER indicator lights up in green.

- 3 Play the program source.

Adjust the VOLUME so that sound from the front speakers is not distorted. If outputs of an amplifier to be connected are distorted, the sound from the woofer will also be distorted.

#### To turn on and off the power automatically

— Auto power on/off function (H)  
When the woofer is on (i.e., the POWER indicator lights up green) and there is no signal input for about seven minutes, the POWER indicator changes to red and the woofer enters power saving mode. While in this mode a signal is input to the woofer, the woofer automatically turns on (auto power on/off function). To turn this feature off, slide the POWER SAVE switch on the rear panel to OFF.

**Notes**  
• Never set the amplifier's tone control (BASS, TREBLE, etc.) or the equalizer output to high level.  
Never use a commercial test disc input sine waves of 20Hz to 50Hz. And do not allow abnormal sounds (e.g., feedback from a microphone, popping noise of a scratched LP, overly enhanced bass, etc.) to be played at high volume. Otherwise, damage to the speakers may occur.

When a special disc containing abnormally enhanced bass is played, noise may be output in addition to the original sound. In such a case, decrease the sound level.

• The subwoofer output signal (DOLBY digital signal) of the digital surround processor sold singularly is set 10 dB higher by Dolby laboratories Licensing Corporation. In the case of using normally, adjust the subwoofer level.

• If you turn down the volume level of the woofer too low, the auto power on/off function may activate, causing the woofer to enter power saving mode.

### Adjusting the Sound (I)

You can adjust the sound of the woofer to suit the sound of your front speakers. Reinforcing the bass sound gives you a greater sense of atmosphere.

- 1 Set BASS BOOST\* to ON.

\* BASS BOOST  
BASS BOOST is usually set to ON, it may cause noise or distortion, depending on your software.

Should this occur, set BASS BOOST to OFF. However, if sound irregularly is heard again, turn the LEVEL knob counterclockwise.

#### Note

A wide variety of software is available, e.g., CD, SACD, DVD, and DVD-Audio, etc.

Compatible systems are: 2.1ch, 5.1ch and 6.1ch, etc., and various satellites signals.

Depending on the system, adjust the LEVEL to suit the sound so that subwoofer's output is optimal.

- 2 Adjust the cut-off frequency. (J)

Turn the CUT OFF FREQ control, depending on the reproduction frequencies of your front speakers.

Refer to the following when adjusting.

① Typical very small sized speakers:  
5 - 7 cm (2 - 2 7/8 in.) dia.

② Typical small sized speakers: 8 - 15 cm (3 1/4 - 6 in.) dia.

③ Typical medium sized speakers:  
16 - 24 cm (6 3/8 - 9 1/2 in.) dia.

④ Typical large sized speakers: more than 25 cm (9 7/8 in.) dia.

To make the most of the low level converter function of Dolby digital, turn the CUT OFF FREQ as high as possible when playing back the Dolby digital.

- 3 Adjust the volume level of the woofer.

Turn the LEVEL control so that you can hear the bass sound a little more than before. To increase the volume, turn the control clockwise. To decrease the volume, turn the control counterclockwise.

- 4 Play your favorite song and movie.

Male vocal tunes and voice containing bass sounds are most suitable for adjustment. Turn the volume for front speakers to the same level as usual.

- 5 Select the phase polarity.

Use the PHASE selector to select the phase polarity.

- 6 Repeat steps 1 to 4 to adjust for your preference.

Once you have adjusted the woofer to the settings you desire, use the VOLUME control on the amplifier to adjust the volume of the woofer with that of the other speakers. You don't need to adjust the woofer settings when you change the volume level of the amplifier.

#### Notes

- If the sound distorts when you turn on the bass reinforcement from your amplifier (such as, DBFB, GROOVE, the graphic equalizer, etc.), turn off the bass reinforcement and adjust the sound.
- Do not turn the volume of the woofer to maximum. Doing so may weaken the bass sound. Moreover, extraneous noise may be heard.
- Selecting NORMAL or REVERSE with the PHASE selector reverses the polarity and may provide better bass reproduction in certain listening environments (depending on the type of front speakers, the position of the woofer and the adjustment of the cut-off frequency). It may also change the expanse and tightness of sound, and effect the feeling of the sound field. Select the setting that provides the sound you prefer when listening in your normal listening position.

#### Setting the amplifier

##### For the Dolby Digital\*

If your amplifier is connected internally or externally with a Dolby Digital processor, you should use the setup menus for the amplifier to specify the parameters of your speaker system. See the table below for the proper settings. For details on the setting procedure, refer to the manual that was provided with your amplifier. Select Micro Satellite Position if a Sony amplifier provides it.

#### When using the speaker terminals (the speaker settings)

For	Set to
Front speakers	LARGE
Center speaker	LARGE (or WIDE)
Rear speakers	SMALL
Subwoofer	ON

#### When using the LINE IN jacks (the speaker settings)

For	Set to
Front speakers	SMALL
Center speaker	or Micro Satellite Position or 120 Hz
Rear speakers	
Subwoofer	ON

For the LFE, set all settings to LARGE.

\* "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

#### Setting the voltage selector (voltage selector equipped models only)

Check that the voltage selector on the rear panel of the unit is set to the local power line voltage. If not, set the selector to the correct position using a screwdriver before connecting the AC power cord to a wall outlet.

110-120V 220-240V



### Troubleshooting

If you experience any of the following difficulties while using the woofer, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.

#### There's no sound.

- Check that this woofer and components are connected correctly and securely.
- Turn LEVEL clockwise to turn the volume up.
- Select SPEAKER or LINE with INPUT selector.
- Reset the level.

#### The sound has suddenly stopped.

- The speaker cords may have short-circuited. Connect the cords properly.
- Turn off the power switch and then turn it back on.

#### The sound is distorted.

- The input signal is imperfect.
- The input signal level is too high.
- Set the CUT OFF FREQ as high as possible when playing back the Dolby digital.

#### Severe hum or noise is heard.

- Connect the ground wire of the turntable properly.
- The contacts between the plugs of the connecting cords and the corresponding jacks have not been made properly. Connect the plugs firmly.
- The audio system is picking up some noise from a TV set. Move the audio system away from the TV set or turn the TV set off.

### Specifications

#### AUDIO POWER SPECIFICATIONS

##### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 3 ohm loads, from 22 - 200 Hz; rated 250 watts, minimum RMS power, with no more than 0.8 % total harmonic distortion from 250 milliwatts to rated output.

#### System

##### Type

Active Subwoofer

##### Speaker unit

Woofer: 13.5 cm dia. (5 3/8 in.), cone type

##### Continuous RMS output

North American model (0.8%): 250 W

European model (DIN): 250 W

Other models (0.8%): 250 W

##### Reproduction frequency range

22 Hz - 200 Hz

##### High frequency cut-off frequency

50 Hz - 200 Hz

##### Phase selector

NORMAL, REVERSE

#### Inputs

##### Input jacks

LINE IN: input pin jack

SPEAKER IN: input terminals (ELP plug 6P)

##### Output jacks

LINE OUT: output pin jack

SPEAKER OUT: output terminals

#### General

##### Power requirements

North American model: 120 V AC, 60 Hz

European model: 220 - 230 V AC, 50 / 60 Hz

Other models: 110 - 120, 220 - 240 V AC, 50 / 60 Hz

##### Power consumption

North American model: 55 W

Other models: 50 W

1 W (Standby mode)

##### Dimensions

Approx. 165 x 450 x 425 mm

(w/h/d) (6 1/2 x 17 3/4 x 16 3/4 in.)

##### Mass

16 kg (35 lb 4 oz)

##### Supplied accessories

Audio connecting cord

(1 phone plug - 1 phone plug) (1)

Speaker cords (1)

Design and specifications are subject to change without notice.

## Français

### Lorsque vous utilisez au moins deux caissons de grave (F)

#### Raccordement du cordon d'alimentation

- Raccordez le cordon d'alimentation du caisson de grave et de votre amplificateur à une prise murale.
- Vérifiez que le caisson de grave est hors tension avant de brancher ou débrancher tout cordon d'alimentation.

### Ecoute du son (G)

- 1 Mettez l'amplificateur sous tension et sélectionnez la source.

- 2 Appuyez sur POWER.

Le caisson de grave se met sous tension et le témoin POWER s'allume en vert.

- 3 Démarrez la lecture de la source.

Réglez le VOLUME de manière à ce que le son diffusé par les enceintes avant ne soit pas déformé.

Si le son diffusé par un amplificateur à raccorder est déformé, celui du caisson de grave le sera également.

#### Pour mettre automatiquement sous tension hors tension

##### — Fonction de mise sous tension/hors tension automatique (H)

Lorsque le caisson de grave est sous tension (c'est-à-dire, le témoin POWER s'allume en vert) et qu'il n'y